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FAX Transmission Sheet

Date: September 5, 2006
From: Natalie Davis
To: Commissioner for Patents
Organization: U.S. Patent and Trademark Office
Fax: (571) 273-8300
Subject: Serial No.: 10/816,886

You should receive 19 pages including this cover sheet.

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SEP 05 2006

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: GRUBER et al.) Confirmation No. 3859
Serial No.: 10/816,886) Group Art Unit: 1637
Filed: April 5, 2004) Examiner: TUNG, J.
For: Methods for Production and Purification of Nucleic Acid Molecules) Docket No. 0942.4350002 (IVGN)
) Customer Number 52059

TRANSMITTAL LETTER

Commissioner for Patents
 U.S. Patent and Trademark Office
 P.O. Box 1450
 Alexandria, VA 22313-1450

Dear Sir:

Transmitted herewith are the following documents in the above-identified application.

Amendment and Reply Under 37 C.F.R. § 1.111

It is not believed that extensions of time are required beyond those that may otherwise be provided for in accompanying documents. However, if additional extensions of time are necessary to prevent abandonment of this application, then such extensions of time are hereby petitioned under 37 C.F.R. § 1.136(a), and any fees required therefore are hereby authorized to be charged to the Deposit Account No. 13-3900.

Respectfully submitted,

Date: September 5, 2006

Natalie A. Davis
 Natalie A. Davis
 Reg. No. 53,849

Invitrogen Corporation
 Customer Number 52059
 Phone: (760) 268-7469
 Facsimile: (541) 335-0354

CERTIFICATE OF TRANSMISSION
 I HEREBY CERTIFY THAT THIS PAPER AND THE DOCUMENTS REFERRED AS BEING ATTACHED OR ENCLOSED HEREWITNESS ARE BEING FACSIMILE TRANSMITTED TO THE UNITED STATES PATENT AND TRADEMARK OFFICE ON September 5, 2006 TO
 1.571.273.8300 By Mary E. Gillette

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In re application of:
GRUBER et al.
Appl. No. 10/816,886
Filed: April 5, 2004
For: Methods for Production and
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Molecules

Confirmation No.: 3859
Art Unit: 1637
Examiner: Tung, J.
Atty. Docket: 0942.4350002

Amendment and Reply Under 37 C.F.R. § 1.111

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In reply to the Office Action dated June 13, 2006, Applicants submit the following Amendments and Remarks. This Amendment is provided in the following format:

- (A) Each section begins on a separate sheet;
- (B) Starting on a separate sheet, a complete listing of all of the claims:
 - in ascending order;
 - with status identifiers; and
 - with markings in the currently amended claims;
- (C) Starting on a separate sheet, the Remarks.

CERTIFICATE OF TRANSMISSION

I HEREBY CERTIFY THAT THIS PAPER AND THE DOCUMENTS REFERRED AS BEING ATTACHED OR ENCLOSED HEREWITH ARE BEING FACSIMILE TRANSMITTED TO THE UNITED STATES PATENT AND TRADEMARK OFFICE ON September 5, 2006 TO 1.571.273.8300 By Mary E. Gillette